

ABSTRACT

A syringe driver system comprises a rotatable threaded lead screw shaft and a plunger which directly engages the threaded shaft such that rotation of the shaft drives the plunger into the syringe body. The plunger is formed with a threaded shaft engaging portion in the form of a half nut to engage with and follow the threaded shaft. The syringe driver system further comprises a guide system to secure the plunger in direct engagement with the threaded shaft and to prevent rotation of the plunger. An arm of the plunger stem carries markers useful in determining the near end of infusion. The syringe body carries a marker or markers useful in determining a characteristic about the syringe, such as its volume.